

## ABSTRACT

A method and apparatus for including in a computer system, instructions for performing cache memory invalidate and cache memory flush operations. In one embodiment, the computer system comprises a cache memory having a plurality of cache lines each of which stores data, and a storage area to store a data operand. An execution unit is coupled to the storage area, and operates on data elements in the data operand to invalidate data in a predetermined portion of the plurality of cache lines in response to receiving a single instruction.

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